Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/04/2016 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124496	-1	2.70	124340	2.73
Blue	F	SSC	125000	122450	-3	5.03	123381	4.96
Blue	E	FITC	17316	16647	-4	3.45	941	9.42
Blue	D	PE	22501	21813	-4	3.10	980	8.46
Blue	B	PerCP-Cy5-5	67647	68003	0	3.69	1783	13.63
Blue	A	PE-Cy7	80682	79882	-1	4.63	1045	25.26
Red	C	APC	64263	63036	-2	2.92	3529	8.41
Red	A	APC-Cy7	96129	95655	-1	2.94	1896	8.14
Violet	B	V450	11714	11155	-5	3.47	694	8.27
Violet	A	V500	48394	47527	-2	3.07	2689	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21084	4.13	604	15	N/A	N/A	Pass
Blue	F	SSC	61274	4.34	519	5	N/A	N/A	Pass
Blue	E	FITC	101	38.02	519	-1	0.0246	240	Pass
Blue	D	PE	202	25.66	514	0	0.1812	188	Pass
Blue	B	PerCP-Cy5-5	213	39.78	609	2	0.0107	0	Pass
Blue	A	PE-Cy7	76	100.52	664	1	0.0146	10	Pass
Red	C	APC	330	26.91	588	3	0.0203	8	Pass
Red	A	APC-Cy7	119	39.16	567	2	0.0047	948	Pass
Violet	B	V450	74	41.90	458	2	0.0424	1643	Pass
Violet	A	V500	175	23.23	491	4	0.0130	294	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.59	-31.40	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.69	13.28 - 19.92	N/A	N/A	31.90	32.07	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10275

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments